

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1-6. (cancelled)

7. 21 (new) A scooter comprising:

- a base frame (2) having an upper surface;
- two wheels (3, 4) in engagement with the base frame (2) to allow movement of the scooter itself;
- a motion-transmitting unit (8) associated with the base frame (2) to drive at least one of said wheels (3, 4);
- at least one first and one second plate (6, 7) separated from each other, superposed to the upper surface of the base frame (2) and movable in reciprocating manner between a point of minimum distance from the upper surface of the base frame (2) and a point of maximum distance from the upper surface of the base frame (2), said first and second movable plates (6, 7) being active on the motion-transmitting unit (8) to allow at least one of said wheels (3, 4) to be driven into rotation whereby enabling the scooter movement, the motion-transmitting unit (8) converting a reciprocating motion of the movable plates (6, 7) into a rotatory motion applied to the second wheel (4) and comprising at least one deformable element (16) directly in engagement with the first and second movable plates (6, 7) and also active on two free-wheels (20, 21) to transfer the motion received through the deformable element (16) to the second wheel (4) in an alternated matter;
- means (12) for synchronizing motion of said first and second movable plates (6, 7) comprising a fixed structure (13) emerging away from the upper surface of the base frame (2) and a deformable body (14) which is movable on the fixed structure (13) and is in engagement at its opposite ends with said first and second movable plate (6, 7), wherein the first and the second movable plates (6, 7) are hinged on the base frame (2) at a front region (1a) of the scooter in correspondence of a steering member (5) and are defined by elongated plates disposed in mutual side by side relationship along a longitudinal vehicle axis (10), so as to exactly define a

support surface designed to receive a rider's respective feet, so as a rider can stand on the scooter keeping legs and feet closed to each other in side by side relationship.

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22 ~~8.~~ (new) A scooter as claimed in claim ~~7.~~ further comprising a roller (15) idly mounted on the fixed structure (13), the deformable body (14) running over said roller (15).

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23 ~~8.~~ (new) A scooter as claimed in claim ~~7.~~ further comprising a steering member (5) active on a front wheel, to allow the scooter to travel over curved paths.

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24 ~~10.~~ (new) A scooter as claimed in claim ~~7.~~ wherein the motion-transmitting unit (8) further comprises a predetermined number of intermediate members (19) mounted to the movable plates (6, 7) and the base frame (2), the deformable element (16) being movable on an intermediate member (19).

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25 ~~11.~~ (new) A scooter as claimed in claim ~~10.~~ wherein the motion-transmitting unit (8) comprises at least one intermediate member (19) for each movable element (6, 7) and at least one intermediate member (19) corresponding to each movable plate (6, 7) on the base frame (2), a movement away from the base frame (2) by the first movable element (6) causing dragging along of part of the deformable element (16) from the second movable plate (7) to the first movable plate (6) and driving in rotation of a free wheel (20) and consequently of the second wheel (4), a movement away from the base frame (2) by the second movable plate (7) causing a corresponding dragging along of part of the deformable element (16) from the first movable plate (6) to the second movable plate (7) and driving in rotation of a second free wheel (21) and consequently of the second wheel (4).

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26 ~~12.~~ (new) A scooter as claimed in claim ~~10.~~ wherein the motion-transmitting unit (8) comprises a further intermediate member (22) to allow movement of the deformable element (16) between the first and second movable plates (6, 7).

27 ~~13.~~ (new) A scooter comprising:

- a base frame (2);
- at least two wheels (3, 4) in engagement with the base frame (2) to allow movement of the vehicle itself;

- a motion-transmitting unit (8) associated with the base frame (2) to drive at least one of said wheels (3, 4),
- at least one first and one second plate (6, 7) movable relative to the base frame (2) and active on the motion-transmitting unit (8) to allow at least one of said wheels (3, 4) to be driven in rotation, thereby enabling movement of the vehicle, said first and second movable plates (6, 7) defining respective actuating surfaces arranged substantially in side by side relationship with each other with respect to a longitudinal extension axis (10) of the vehicle, the motion-transmitting unit (8) comprising a predetermined number of intermediate members (19) mounted to the movable plates (6, 7) and the base frame (2) and further comprising a deformable element (16) in engagement with first and second movable plates (6, 7), the deformable element (16) being movable on the intermediate members (19).

28 ~~14~~ ²⁷ (new) A scooter as claimed in claim ~~13~~, wherein the motion-transmitting unit (8) comprises at least one intermediate member (19) for each movable element (6, 7) and at least one intermediate member (19) corresponding to each movable plate (6, 7) on the base frame (2), a movement away from the base frame (2) by the first movable element (6) causing dragging along of part of the deformable element (16) from the second movable plate (7) to the first movable plate (6) and driving in rotation of a free wheel (20) and consequently of the second wheel (4), a movement away from the base frame (2) by the second movable plate (7) causing a corresponding dragging along of part of the deformable element (16) from the first movable plate (6) to the second movable plate (7) and driving in rotation of a second free wheel (21) and consequently of the second wheel (4).

29 ~~15~~ (new) A scooter comprising:

- a base frame (2);
- at least two wheels (3, 4) in engagement with the base frame (2) to allow movement of the vehicle itself;
- a motion-transmitting unit (8) associated with the base frame (2) to drive at least one of said wheels (3, 4),
- at least one first and one second element (6, 7) separated from each other and movable with respect to the base frame (2), said first and second movable elements (6, 7) being active on the motion-transmitting unit (8) to allow at least one of said wheels (3, 4) to be driven in rotation thereby enabling movement of the vehicle, said first and second movable plates (6, 7) defining

respective actuating surfaces arranged substantially in side by side relationship with each other with respect to a longitudinal extension axis (10) of the vehicle, the actuating surfaces being shiftable by a rider with a reciprocating motion, the motion-transmitting unit comprising a deformable element (16) in engagement with first and second movable plates (6, 7) and further comprising two free-wheels (20, 21), the deformable element (16) causing a rotation of said two free-wheels (20,21), said free-wheels (20, 21) in turn transmitting a rotatory motion to said wheel (4).

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30 ~~16.~~ (new) A scooter according to claim ~~15~~, wherein the base frame (2) comprises an upper horizontal wall, two lateral walls and two bottom walls to define a containing space, the two free-wheels (20, 21) being placed inside said containing space.